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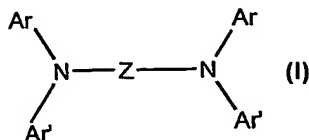
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(54) Title: **HALOGENATED BISDIARYLAMINOPOLYCYCLIC AROMATIC COMPOUNDS AND POLYMERS THEREOF**



(57) Abstract: A halogenated bisdiarylamino polycyclic aromatic compound, polymers made therefrom, and polymeric light emitting diode devices using the polymers are described. The halogenated compound is represented by formula (I), wherein Ar and Ar' are each independently substituted or unsubstituted aryl groups and Z is a polycyclic arylene group, wherein at least one of the Ar' groups is a haloaryl group. Devices using polymers prepared from the halo-
genated compound exhibit improved performance and longer lifetime, presumably as a result

of the presence of the geometrically constrained diarylamino polycyclic aromatic groups in the polymer backbone.

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